

SEQUENCE LISTING

<110> Novozymes A/S

<120> Trypsin like protease

<130> 10178

<160> 2

<170> PatentIn version 3.2

<210> 1

<211> 1004

<212> DNA

<213> Fusarium solani

<220>

<221> CDS

<222> (52)..(804)

<220>

<221> mat_peptide

<222> (127)..(804)

<223> 52-102: signal peptide and 53-126: pro-peptide

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 Lys Phe Ala Ala Ile Leu Ala Leu Val Ala Pro Leu Val Ala Ala Arg
 -20 -15 -10

cct cag gac tca tca ccc atg atc gtt ggt gga act gct gcc agc gct 153
 Pro Gln Asp Ser Ser Pro Met Ile Val Gly Gly Thr Ala Ala Ser Ala
 -5 -1 1 5

ggt gac ttc ccc ttc atc gtc agc atc gcc tac aat ggt ggc cct tgg 201
 Gly Asp Phe Pro Phe Ile Val Ser Ile Ala Tyr Asn Gly Gly Pro Trp
 10 15 20 25

tgc gga ggt acc ctc ctc aac gcc aac acc gtc atg act gct gcc cac 249
 Cys Gly Gly Thr Leu Leu Asn Ala Asn Thr Val Met Thr Ala Ala His
 30 35 40

tgc acc caa ggt cgc tct gct agc gcc ttc cag gtc cgc gcc gga agt 297
 Cys Thr Gln Gly Arg Ser Ala Ser Ala Phe Gln Val Arg Ala Gly Ser
 45 50 55

ctg aac cgc aac tcg ggt ggt gtt acc tct tcc gtt tct tcc atc agg 345
 Leu Asn Arg Asn Ser Gly Gly Val Thr Ser Ser Val Ser Ser Ile Arg
 60 65 70

atc cat cct agc ttc agt agc tcg acc ctg aac aac gat gtt tcc atc 393
 Ile His Pro Ser Phe Ser Ser Ser Thr Leu Asn Asn Asp Val Ser Ile
 75 80 85

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ctg aag ctg tcc acc ccc atc tcg act agc tcc act att tct tat ggt      441
Leu Lys Leu Ser Thr Pro Ile Ser Thr Ser Ser Thr Ile Ser Tyr Gly
90                               95                               100                               105

cgc ctg gct gcg tcg ggc tct gac cct gtt gcc ggc tct gat gcc aca      489
Arg Leu Ala Ala Ser Gly Ser Asp Pro Val Ala Gly Ser Asp Ala Thr
                               110                               115                               120

gtt gct ggc tgg ggt gtc act tct cag ggc tct tcc agc tct ccc gtg      537
Val Ala Gly Trp Gly Val Thr Ser Gln Gly Ser Ser Ser Ser Pro Val
                               125                               130                               135

gct ttg agg aag gtt acc att ccc atc gtc tcc cgc acc act tgc cga      585
Ala Leu Arg Lys Val Thr Ile Pro Ile Val Ser Arg Thr Thr Cys Arg
                               140                               145                               150

tcc cag tat ggc act tct gcc atc acc acc aac atg ttc tgc gct ggt      633
Ser Gln Tyr Gly Thr Ser Ala Ile Thr Thr Asn Met Phe Cys Ala Gly
                               155                               160                               165

ctt gct gag ggt ggt aag gac tct tgc cag ggc gac agc ggc ggt ccc      681
Leu Ala Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro
170                               175                               180                               185

att gtc gat acc tcc aac act gtc att ggc att gtt tct tgg ggt gag      729
Ile Val Asp Thr Ser Asn Thr Val Ile Gly Ile Val Ser Trp Gly Glu
                               190                               195                               200

ggt tgt gct cag ccc aac tta tct ggt gtc tat gcc cga gtt gga tct      777
Gly Cys Ala Gln Pro Asn Leu Ser Gly Val Tyr Ala Arg Val Gly Ser
                               205                               210                               215

ctc cgc act tac atc gac ggc cag ctg taaattgctc ggtcggttgg      824
Leu Arg Thr Tyr Ile Asp Gly Gln Leu
                               220                               225

tttacatttc tgttctaggc agtttgcttg tcagagactt ttgttgagat ggggacggaa      884

gatggagtag gaatgctgag agtgtttggt tgagagttta gttgatagtc aagatccaag      944

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<210> 2
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<212> PRT
<213> Fusarium solani

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Ser Ala Gly Asp Phe Pro Phe Ile Val Ser Ile Ala Tyr Asn Gly Gly
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Pro Trp Cys Gly Gly Thr Leu Leu Asn Ala Asn Thr Val Met Thr Ala
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Ala His Cys Thr Gln Gly Arg Ser Ala Ser Ala Phe Gln Val Arg Ala
 40 45 50 55

Gly Ser Leu Asn Arg Asn Ser Gly Gly Val Thr Ser Ser Val Ser Ser
 60 65 70

Ile Arg Ile His Pro Ser Phe Ser Ser Ser Thr Leu Asn Asn Asp Val
 75 80 85

Ser Ile Leu Lys Leu Ser Thr Pro Ile Ser Thr Ser Ser Thr Ile Ser
 90 95 100

Tyr Gly Arg Leu Ala Ala Ser Gly Ser Asp Pro Val Ala Gly Ser Asp
 105 110 115

Ala Thr Val Ala Gly Trp Gly Val Thr Ser Gln Gly Ser Ser Ser Ser
 120 125 130 135

Pro Val Ala Leu Arg Lys Val Thr Ile Pro Ile Val Ser Arg Thr Thr
 140 145 150

Cys Arg Ser Gln Tyr Gly Thr Ser Ala Ile Thr Thr Asn Met Phe Cys
 155 160 165

Ala Gly Leu Ala Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly
 170 175 180

Gly Pro Ile Val Asp Thr Ser Asn Thr Val Ile Gly Ile Val Ser Trp
 185 190 195

Gly Glu Gly Cys Ala Gln Pro Asn Leu Ser Gly Val Tyr Ala Arg Val
 200 205 210 215

Gly Ser Leu Arg Thr Tyr Ile Asp Gly Gln Leu
 220 225